

## ABSTRACT

Operands (90) that are represented in two's complement format are prepared for use in binary arithmetic. For each operand, it is determined (91, 93) whether an original value thereof is within a predetermined proximity of a maximum positive/maximum negative value boundary associated with the two's complement format. If any of the original operand values is within the predetermined proximity, all of the original operand values are adjusted (95) to produce respectively corresponding adjusted operand values (96) for use in a binary arithmetic operation.